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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference MF 12006/2 WO	FOR FURTHER see Form Po	CT/ISA/220 plicable, item 5 below.			
International application No.	International filing date (day month year)	(Earliest) Priority Date (day/month/year)			
PCT/SE 2005/001311	9 Sept 2005	10 Sept 2004			
Applicant					
Sandvik Intellectual Propo	erty AB et al				
This international search report has I applicant according to Article 18. A	peen prepared by this International Searchi copy is being transmitted to the Internation	ng Authority and is transmitted to the all Bureau.			
This international search report cons	ists of a total of4 sheets.				
It is also accompanied by	a copy of each prior art document cited in	n this report.			
1. Basis of the report					
a. With regard to the language, th	ne international search was carried out on t	he basis of:			
	olication in the language in which it was file	d .			
a translation of the i	nternational application intoshed for the purposes of international searc	, which is the language			
b. With regard to any nucleo	tide and/or amino acid sequence disclosed in	on (Rules 12.3(a) and 23.1(b)) the international application, see Rox			
140. 1.	unsearchable (see Box No. II)				
1 =	·				
3. Unity of invention is lacki	ng (see Box No. III)				
4. With regard to the title,					
X the text is approved as su					
the text has been establish	ed by this Authority to read as follows:				
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5. With regard to the abstract,					
X the text is approved as submitted by the applicant.					
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.					
6. With regard to the drawings,					
a. the figure of the drawings to be published with the abstract is Figure No. 2					
X as suggested by the applicant.					
. == .	as selected by this Authority, because the applicant failed to suggest a figure.				
as selected by this Au	as selected by this Authority, because this figure better characterizes the invention.				
b. none of the figures is to be published with the abstract.					
Form PCT/ISA/210 (first sheet) (April 2005)					

International application No.

PCT/SE 2005/001311 A. CLASSIFICATION OF SUBJECT MATTER IPC: see extra sheet According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SE,DK,FI,NO classes as above Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-INTERNAL, WPI DATA, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category* 1-2 US 20020051885 A1 (HANS BRAENDLE ET AL), 2 May A 2002 (02.05.2002), abstract, paragraphs (0011) -(0039)1-2 A PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12, 26 December 1996 (1996-12-26) & JP 8 209 335 A (SADOHARA TAKESHI), 13 August 1996 (1996-08-13) abstract Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination "O" document referring to an oral disclosure, use, exhibition or other being obvious to a person skilled in the art document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 2 0 -12- 2005 13 December 2005 Authorized officer Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Ingrid Grundfelt/Els

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International application No.
PCT/SE 2005/001311

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C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 08, 29 August 1997 (1997-08-29) & JP 9 095 763 A (MITSUBSHI HEAVY IND LTD) 08 April 1997 (1997-04-08) abstract),	1-2
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no 10, 31 August 1998 (1998-08-31) & JP 10 140330 A (HITACHI TOOL ENG CO LTI 26 May 1998 (1998-05-26) abstract	0),	1-2
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International application No. PCT/SE2005/001311

INTERNATION	NAL PATENT	CLASSIFICATION	(IPC):		•
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C23C 14/32	(2006.01)				
C23C 30/00	(2006.01)				
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Information on patent family members

26/11/2005

International application No.

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US	20020051885	A1	02/05/2002	US	6844069 B	18/01/2005
				AU	4028197 A	05/04/1999
				BR	9714868 A	25/07/2000
				EP	1021584 A,B	26/07/2000
				SE	1021584 T3	
				PT	1021584 T	30/04/2004
				US	6071560 A	06/06/2000
				WO	9914391 A	25/03/1999

Form PCT/ISA/210 (patent family annex) (April 2005)

International application No.

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A. CLAS	SSIFICATION OF SUBJECT MATTER			
IPC:	see extra sheet			
B. FIRIT	to International Patent Classification (IPC) or to both DS SEARCHED	national classification and I	PC	
	documentation searched (classification system follower	1 by classification symbols)	·	
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	ation searched other than minimum documentation to FI,NO classes as above	the extent that such documen	nts are included in the fields searched	
Electronic (data base consulted during the international search (na	ame of data base and, where	practicable, search terms used)	
	TERNAL, WPI DATA, PAJ			
C. DOCI	UMENTS CONSIDERED TO BE RELEVANT	r		
Category*	Citation of document, with indication, where	appropriate, of the relevan	t passages Relevant to claim No	
A	US 20020051885 A1 (HANS BRAEND 2002 (02.05.2002), abstrac (0039)	LE ET AL), 2 May t, paragraphs (00)	1-2	
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12, 26 December 1996 (1996-12- & JP 8 209 335 A (SADOHARA 13 August 1996 (1996-08-13) abstract	TAKESHI).	1-2	
y Furth	er documents are listed in the continuation of Be			
Special categories of cited documents A document defining the general state of the art which is not considered to be of particular relevance B earlier application or patent but published on or after the international filing date and not in conflict with the application but cited to understate the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventive appeiral reason (as specified) C document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) C document referring to an oral disclosure, use, exhibition or other means P document published after the international filing date or prior date and not in conflict with the application but cited to understate the principle or theory underlying the invention cannot be considered novel or cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered novel or cannot be consider				
	actual completion of the international search	Date of mailing of the in	premational search report 12- 2005	
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	io. +46 8 666 02 86	Telephone No. +46 8	7 E 1 3	

International application No.
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	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages Relevant to claim N
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 08, 29 August 1997 (1997-08-29) & JP 9 095 763 A (MITSUBSHI HEAVY IND LTD) 08 April 1997 (1997-04-08) abstract	1-2
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no 10, 31 August 1998 (1998-08-31) & JP 10 140330 A (HITACHI TOOL ENG CO LTD 26 May 1998 (1998-05-26)	1-2
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International application No. PCT/SE2005/001311

INTERNATIONAL PATENT CLASSIFICATION (IPC): C23C 14/06 (2006.01) C23C 14/32 (2006.01) C23C 30/00 (2006.01)

INTERNATIONAL SEARCH REPORT Information on patent family members

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				SE	1021584 T3	
				PT	1021584 T	30/04/2004
				us	6071560 A	06/06/2000
				WO	9914391 A	25/03/1999

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